

Experimental Lake Erie Harmful Algal Bloom Bulletin

2009-011

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National Ocean Service

Great Lakes Environmental Research Laboratory

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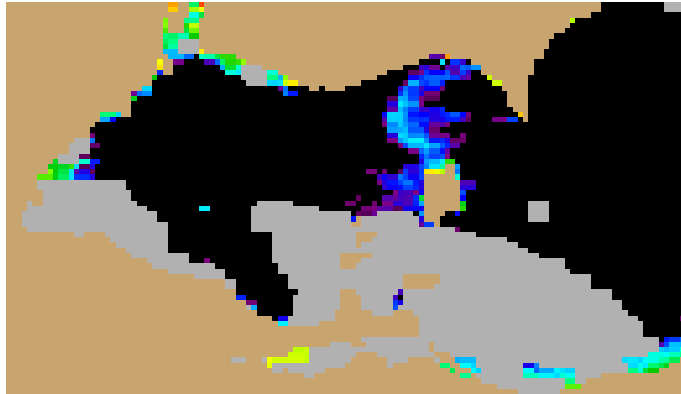


Figure 1. MERIS image from the European Space Agency. Imagery shows the spectral shape at 681 nm from September 25, where colored pixels indicate the likelihood of the last known position of the *Microcystis* spp. bloom (with red being the highest concentration).

Conditions: A *Microcystis* spp. bloom is present in the western basin of Lake Erie.

Analysis: Please note: Due to a lack of recent imagery and/or *Microcystis* spp. cell count data, a nowcast and forecast were not produced.

Imagery from last Friday (9/25) indicates that the bloom is well mixed as a result of high wind stress. Extremely high winds and storm conditions over the past week, have caused continued mixing and may have resulted in stressing the bloom. High wind stress is forecasted through the weekend, further mixing the bloom. However, water temperatures remain above 15 deg C, and do not indicate the demise of the bloom.

-Tomlinson, Neff

Please note:

- MERIS imagery was distributed by the NOAA CoastWatch Program and provided by the European Space Agency
- Cell counts were collected by the Great Lakes Environmental Research Laboratory
- The wind data is available through the National Data Buoy Center and the National Weather Service
- Modeled currents were provided through the Great Lakes Coastal Forecasting System

